



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:  
John Abedor, et al

Serial No.: 09/441,003

Filed: November 16, 1999

For: ESTIMATING TAPE PACK  
RADIUS USING A KALMAN  
FILTER

Examiner: Nguyen, John

Art Unit: 3653

Cesari and McKenna, LLP  
88 Black Falcon Avenue  
Boston, MA 02210  
August 28, 2001

"Express Mail" Mailing-Label Number: EL 705 604 912 US

Honorable Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

**SUPPLEMENTAL AMENDMENT**

This SUPPLEMENTAL AMENDMENT is filed as a supplement to the Amend-  
ment filed on July 12, 2001.

IN THE CLAIMS

Please cancel claim 3 without prejudice.

Please amend the claims as follows.

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20  
9-4-01

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Honorable Commissioner of Patents and Trademarks  
Washington, DC 20231

**AMENDMENT TRANSMITTAL LETTER**

Sir:

Transmitted herewith for filing in the Patent Application of  
Inventor(s): John Abedor, et al

For: ESTIMATING TAPE PACK RADIUS USING A  
KALMAN FILTER

Serial No.: 09/441,003

Filed: November 16, 1999

are the following papers:

- ☒ A supplement to our response dated July 12, 2001
- ☐ A petition for extension of time and check for \$
- ☒ A check for \$18 to cover the fee for additional claims resulting from the response. The fee is calculated as follows:

Total Claims Remaining after  
Amendment:.....32  
Less Highest Number of Total Claims  
Previously Paid for:.....31

Difference.....1 x \$ 18 = \$ 18

Independent Claims Remaining  
after Amendment.....8  
Less Highest Number of Independent  
Claims Previously Paid for.....8

Difference.....0 x \$ 80 = \$ 0

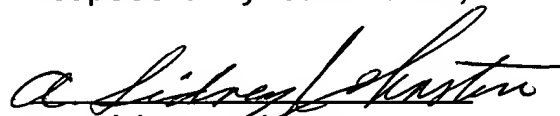
Multiple-Dependent-Claim Fee Required  
after Amendment and Not Previously Paid.....\$ 0

Total of Above Calculations.....\$ 18  
Less Reduction for Small Entity .....\$ 0

Total Due .....\$ 18

The Commissioner is hereby authorized to charge any  
other fees under 37 C.F.R. §§1.16 and 1.17 that may be required,  
or credit any overpayment, to our Deposit Account No. 03-1237.

Respectfully submitted,



A. Sidney Johnston  
Reg. No. 29,548  
CESARI AND MCKENNA, LLP  
88 Black Falcon Avenue  
Boston, MA 02210

(617) 951-2500

08-29-01

3653



PATENTS  
112008-0027C1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of: )  
John Abedor, et al )  
Serial No.: 09/441,003 )  
Filed: November 16, 1999 )  
For: ESTIMATING TAPE PACK RA- )  
DIUS USING A KALMAN FILTER )

Examiner: Nguyen, John

Art Unit: 3653

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Cesari and McKenna, LLP  
88 Black Falcon Avenue  
Boston, MA 02210  
August 28, 2001

EXPRESS-MAIL DEPOSIT

"Express Mail" Mailing-Label Number: EL 705 604 912 US

The following papers are being deposited with the United States Postal Service  
"Express Mail Post Office to Addressee" service pursuant to 37 C.F.R. §1.10:

X Fee Transmittal Letter                      X Check for \$18  
X Supplemental Amendment                      X Amendment Transmittal

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# FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB-209-12.

See 37 C.F.R. §§ 1.27 and 1.28.

## Complete If Known

Application Number	09/441,003
Filing Date	November 16, 1999
First Named Inventor	John Abedor, et al
Examiner Name	Nguyen, John
Group / Art Unit	3653
Attorney Docket No.	112008-0027C1

TOTAL AMOUNT OF PAYMENT (\$ 18

### METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number	03-1237
Deposit Account Name	Cesari and McKenna, LLP

- ☒ Charge Any Additional Fee Required Under 37 C.F.R. §§1.16 and 1.17 ☐ Charge the Issue Fee Set in 37 C.F.R. §§1.18 at the Mailing of the Notice of Allowance

2. ☒ Payment Enclosed:  
☒ Check ☐ Money Order ☐ Other

### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Entity Code	Small Entity Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
101	710 201	355		Utility filing fee	
106	320 206	160		Design filing fee	
107	490 207	245		Plant filing fee	
108	710 208	355		Reissue filing fee	
114	150 214	75		Provisional filing fee	
SUBTOTAL (1) (\$)					0

#### 2. EXTRA CLAIM FEES

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
32	8		31**	1 x 18 = 18	0
			8**	0 x 80 = 0	0
					0

\*\*or number previously paid, if greater; For Reissues, see below

Large Entity Code	Small Entity Code	Fee (\$)	Fee (\$)	Fee Description
103	18 203	9		Claims in excess of 20
102	80 202	40		Independent claims in excess of 3
104	270 204	135		Multiple dependent claim, if not paid
109	80 209	40		**Reissue independent claims over original patent
110	18 210	9		**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 18

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

Large Entity Code	Small Entity Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
105	130 205	65		Fee Surcharge - late filing fee or oath	
127	50 227	25		Surcharge - late provisional filing fee or cover sheet	
139	900 139	900		Non-English Specification	
147	2,520 147	2,520		For filing a request for reexamination	
112	920 112	920*		Requesting publication of SIR prior to Examiner action	
113	1,840 113	1,840*		Requesting publication of SIR after Examiner action	
115	110 215	55		Extension for reply within first month	
116	390 216	195		Extension for reply within second month	
117	890 217	445		Extension for reply within third month	
118	1,390 218	695		Extension for reply within fourth month	
128	1,890 128	945		Extension for reply within fifth month	
119	310 219	155		Notice of Appeal	
120	310 220	155		Filing a brief in support of an appeal	
121	270 221	135		Request for oral hearing	
138	1,510 138	1,510		Petition to institute a public use proceeding	
140	110 240	55		Petition to revive - unavoidable	
141	1,240 241	620		Petition to revive - unintentional	
142	1,240 242	620		Utility Issue fee (or reissue)	
143	440 243	220		Design Issue fee	
144	600 244	300		Plant Issue fee	
122	130 122	130		Petitions to the Commissioner	
123	50 123	50		Petitions related to provisional applications	
126	180 126	180		Submission of Information Disclosure Stmt	
581	40 581	40		Recording each patent assignment per property (times number of properties)	
146	710 246	355		Filing a submission after final rejection (37 CFR 1.129(a))	
149	710 249	355		For each additional invention to be examined (37 CFR 1.129(b))	

Other (specify)  
Other fee (specify)

SUBTOTAL (3) (\$ 0

\*Reduced by Basic Filing Fee Paid

### SUBMITTED BY

Typed or Printed Name A. Sidney Johnston

Signature

*A. Sidney Johnston*

Date

August 28, 2001

### Complete (if applicable)

Reg. Number 29,548

Deposit Account User ID